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IMPROVEMENTS FOR MIXING TAPS

[No inventor given]

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IMPROVEMENTS FOR MIXING TAPS

[Perfectionnements aux robinets mélangeurs]

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Mixing taps are generally made up of two separately controlled tap bodies, whose outlet holes are connected by a pipe in which the mixing of the two fluids takes place, said pipe having an end piece for connection to a discharge mouth.

This assembly takes the form of a rigid U of which each of the ends of the lateral limbs is connected to a cold and hot water intake pipeline and has some means for allowing it to be attached to a wall.

The distance separating the axes of the two tap bodies being fixed, the attachment of the mixing tap against a wall is often difficult, above all when it is necessary to connect it onto existing water intakes.

The present invention, which remedies these disadvantages, relates to improvements for mixing taps, and it is remarkable in that the distance separating the axes of the two tap bodies is

adjustable, each of said bodies to this effect having a radial extension capable of sliding in a tubular sleeve having the end piece for connection of the discharge mouth.

Each of the aforementioned extensions, which penetrates freely into the ends of the sleeve, has O-ring seals maintained axially in peripheral grooves and ensuring the sealing of the sliding connection.

The device moreover makes it possible to orient the discharge mouth in any direction.

In effect, the usual discharge mouth, generally made up of a rigid tube suitably bent, can pivot around a vertical axis, whereas with the device of the invention, it can moreover pivot also around a horizontal axis by means of the aforementioned sleeve.

In the latter case, the friction of the O-ring seals against the internal bore of the sleeve ensures that the sleeve is maintained in the chosen angular position.

The present invention will be better understood through the following description in reference to the appended drawing given as a solely indicative example in which:

Figure 1 is a perspective view of the mixing tap of the invention;

Figure 2 is a vertical section made according to a plane passing through the axis of the sleeve;

Figure 3 is a partial view on a larger scale similar to Figure 2.

In reference to the drawings, and according to one embodiment, the mixing tap is composed of two taps 1 of the so-called quarter turn type, for example, each having tubular radial extension 2, whose ends 3 can engage in ends 4 of sleeve 5 in which the mixing takes place, said sleeve having end piece 6 for connection of ordinary discharge mouth 7.

Each end 3 of tubular extensions 2 has O-ring seals 8 maintained axially in grooves 9 made in the periphery of said extensions.

These seals 8 ensure the sealing of the connection, and the friction exerted by them against the wall of bore 10 of sleeve 5 is moreover used to maintain said sleeve in the required angular position.

This device, which enables one to vary the distance between taps 1, also enables one to pivot discharge mouth 7 around a horizontal axis, and by the combination of this movement with the usual rotation of said mouth around a vertical axis, it enables one to direct it in any direction.

Of course, the present invention is not limited to the embodiment described and represented but rather extends to all variants of shapes, materials and dimensions.

#### Summary [Claims]

Improvements for mixing taps of the type made up of two separately controlled taps whose outlet holes are connected by a pipe having an end piece for connection to a discharge mouth, characterized by the fact that:

1. The distance separating the two tab bodies is adjustable, and to this effect, each of said bodies has a tubular radial extension capable of sliding in a sleeve having an end piece for connection of the discharge mouth;

2. The extensions, at their end which penetrates into the sleeve, have O-ring seals engaged in the peripheral grooves of said extensions and ensuring both the sealing of the connection and that said sleeve is maintained by friction in the chosen position.

